



# STIC Search Report

EIC 1700

STIC Database Tracking Number: 165489

**TO:** Richard Crispino  
**Location:** REM 8D55  
**Art Unit :** 1700  
**September 13, 2005**

**Case Serial Number:** 10/721023

**From:** Mrs. Kendra Banks  
**Location:** EIC 1700  
**REM 4B28**  
**Phone:** 571-272-2516

**Kendra.Mellerson@uspto.gov**

## Search Notes

No Cases Reported

US 6,585,806

**Mellerson, Kendra**

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**From:** Crispino, Richard  
**Sent:** Monday, September 12, 2005 7:35 AM  
**To:** STIC-EIC1700  
**Subject:** litigation search

Please do a litigation search for reissue 10/721,023. The patent number is 6,585,806.

Thank you

Rick Crispino  
REM 8D55  
SPRE TC 1700

## Current session 13/09/2005

Query/Command : N

..FILE / ..INFO / ..GUIDE

Query/Command : FILE PLUSPAT

QUESTEL - Time in minutes : 0,84  
The cost estimation below is based on Questel's  
standard price list

Estimated cost : 0.90 USD  
Cost estimated for the last database search : 0.90 USD  
Estimated total session cost : 0.90 USD

Selected file: PLUSPAT

PLUSPAT - (c) Questel-Orbit, All Rights Reserved.  
Comprehensive Worldwide Patents database  
New Patent Citation Commands & FAM Citation Report - see INFO PATCITE  
Announcing enhanced searchability of Relevancy Codes in Search Reports  
for EP, WO and FR patents. For more details see below and on QO website  
-To retrieve set of high relevancy X coded cited patents, use xctx=yes  
-To extract cited patents with only high relevancy code, use mem/xctx  
Last update of file: 2005/09/07 (YYYY/MM/DD) 2005-35/UP (last update)

Search statement 1

Query/Command : US6585806/PN

\*\* SS 1: Results 1  
Search statement 2

Query/Command : PRT FULL NONSTOP LEGALALL

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1/1 PLUSPAT - ©QUESTEL-ORBIT - image

PN - US2001052291 A1 20011220 [US20010052291]  
PN2 - US6585806 B2 20030701 [US6585806]  
TI - (A1) Air dryer reservoir module components  
PA - (B2) BENDIX COMMERCIAL VEHICLE SYS (US)  
PA0 - Bendix Commercial Vehicle Systems LLC, Elyria OH [US]  
PA2 - (B2) BENDIX COMMERCIAL VEHICLE SYS (US)  
IN - (A1) GOODELL DAVID J (US); HOFFMAN FRED W (US); QUINN  
LEONARD A (US)  
AP - US57189700 20000516 [2000US-0571897]  
FD - Continuation of: US6074462  
Continuation-in-part of: US5917139

**PR** - US57189700 20000516 [2000US-0571897]  
US3058398 19980225 [1998US-0030583]  
US99393197 19971218 [1997US-0993931]

**IC** - (A1) B01D-053/02

**EC** - B01D-053/04C  
B01D-053/26B  
B60T-017/00A1  
B60T-017/06  
F15B-001/26  
F15B-021/04K

**PCL** - ORIGINAL (O) : 095121000; CROSS-REFERENCE (X) : 055DIG017  
096113000 096136000 096144000 096147000

**DT** - Corresponding document

**CT** - US3080693; US3242650; US3399510; US3464186; US3572008; US3592563;  
US3714763; US3831353; US3937622; US4272265; US4285702; US4326489;  
US4373938; US4403587; US4504081; US4572725; US4655801; US4658796;  
US4713094; US4714483; US4764189; US4892569; US5024687; US5110327;  
US5209764; US5286283; US5458676; US5458677; US5522150; US5575541;  
US5607500; US5840104; US5851269; US5917139; US5961694; US5980615;  
US6074462; US6391098; DE3504884; EP0497570; JP57-47056; JP60-022555;  
JP60-064616; JP62-149320  
"Brakes of Commercial Vehicles: design and function; test and maintenance work" by Hans Peter Klug, Second Revised and enlarged edition; Wurzburg Vogel, 1990 (2 page article with 3 page translation attached).

**STG** - (A1) Utility Patent Application published on or after January 2, 2001

**STG2** - (B2) U.S. Patent (with pre-grant pub.) after Jan. 2, 2001

**AB** - An air dryer and reservoir assembly for providing compressed air from an air compressor (20) on a heavy motor vehicle which includes an air dryer (14) connected to receive compressed air from the air compressor (20) and a secondary reservoir (12), including an integral purge volume (34), for storing compressed air which passes through the air dryer (14), with the air dryer (14) and the secondary reservoir (12) being securely attached to a housing (16) to form an air dryer reservoir module (10). A primary reservoir (18) for storing compressed air from the air dryer (14) is located remote from the air dryer reservoir module (10). A pressure equalizing mechanism (57) is disposed between the primary reservoir (18) and the secondary reservoir (12) for keeping pressure in the two reservoirs (12,18) equal. Components located within the housing (16) control air flow between the air dryer (14) and the primary and secondary reservoirs (18,12) and also monitor the pneumatic brake system circuits fed by the primary and secondary reservoirs (18,12).

**UP** - 2002-02

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1/1 LGST - ©EPO

**PN** - US2001052291 A1 20011220 [US20010052291]  
US6585806 B2 20030701 [US6585806]

**AP** - US57189700 20000516 [2000US-0571897]

**ACT** - 20030430 US/AS-A

## ASSIGNMENT

OWNER: HONEYWELL COMMERCIAL VEHICLE SYSTEMS COMPANY  
901 C; EFFECTIVE DATE: 19991214  
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:ALLIEDSIGNAL  
TRUCK BRAKE SYSTEMS COMPANY;REEL/FRAME:013613/0894

20030501 US/AS-A

## ASSIGNMENT

OWNER: BENDIX COMMERCIAL VEHICLE SYSTEMS LLC 901  
CLEVELAN; EFFECTIVE DATE: 20020111  
CHANGE OF NAME;ASSIGNOR:HONEYWELL COMMERCIAL VEHICLE  
SYSTEMS COMPANY;REEL/FRAME:013618/0144

20040203 US/RF-A

REISSUE APPLICATION FILED

EFFECTIVE DATE: 20031124

UP - 2005-03

Search statement 2

**Query/Command : FILE INPADOC**

PLUSPAT - Time in minutes : 0,30

The cost estimation below is based on Questel's  
standard price list

Estimated cost : 0.82 USD

Records displayed and billed : 1

Estimated cost : 1.40 USD

Cost estimated for the last database search : 2.22 USD

Estimated total session cost : 3.12 USD

LGST - Time in minutes : 0,03

The cost estimation below is based on Questel's  
standard price list

Estimated cost : 0.03 USD

Records displayed and billed : 1

Estimated cost : 0.65 USD

Legal-Status informations : 1

Estimated cost : 0.50 USD

Cost estimated for the last database search : 1.18 USD

Estimated total session cost : 4.30 USD

CRXX - Time in minutes : 0,02

The cost estimation below is based on Questel's  
standard price list

Estimated cost : 0.03 USD

Cost estimated for the last database search : 0.03 USD

Estimated total session cost : 4.33 USD

LITA - Time in minutes : 0,01

The cost estimation below is based on Questel's  
standard price list

Estimated cost : 0.02 USD

Cost estimated for the last database search : 0.02 USD

Estimated total session cost : 4.35 USD

Selected file: INPADOC

You are now connected to INPADOC

Covers 1968/1973 thru weekly updates (2005-36)  
For information on content, (...)INFO INPD.

Search statement 1

**Query/Command : FAM US6585806/PN**

1 Patent Groups

**\*\* SS 3: Results 27**

Search statement 4

**Query/Command : FAMSTATE NONSTOP**

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*1/27 INPADOC - ©INPADOC*

**PN** - AT 254553 E 20031215 [ATE254553]  
**TI** - VORRATSBEHLTERMODUL FR EINEM LUFTTROCKNER  
**IN** - GOODELL DAVID J [US]; HOFFMAN FRED W [US]; QUINN LEONARD A [US]  
**PA** - BENDIX COMMERCIAL VEHICLES SYS [US]  
**AP** - AT 98963938/98-EP 19981216 [1998EP-0963938]  
**PR** - US 993931/97-A 19971218 [1997US-0993931]  
WO 9826658/98(US)-W 19981216 [1998WO-US26658]  
**IC** - B60T-017/00

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*1/1 LEGALI - ©EPO*

**PN** - AT254553 T 20031215 [ATE254553]  
**AP** - AT98963938T 19981216 [1998AT-0963938]  
**ACTE** - 20040515 AT/UEP-T [+]  
PUBLICATION OF TRANSLATION OF EUROPEAN PATENT  
SPECIFICATION  
(EP 1037783 0 [EP1037783])  
**UP** - 2004-21

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*2/27 INPADOC - ©INPADOC*

**PN** - BR 9908299 A 20020305 [BR9908299]  
**TI** - Sistema para fornecimento de ar e componentes de módulo de reservatório de  
secador de ar  
**IN** - GOODELL DAVID J; HOFFMAN FRED W; QUINN LEONARD A  
**PA** - ALLIED SIGNAL INC [US]  
**AP** - BR 9908299/99-A 19990225 [1999BR-0008299]  
**PR** - US 30583/98-A 19980225 [1998US-0030583]  
WO 9904149/99(US)-W 19990225 [1999WO-US04149]  
**IC** - B60T-017/00; F15B-001/26

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*1/1 LEGALI - ©EPO*

**PN** - BR9908299 A 20020305 [BR9908299]  
**AP** - BR9908299 19990225 [1999BR-0008299]  
**ACTE** - 20050104 BR/B25A-A  
ENTRY OF CHANGE OF NAME AND/OR HEADQUARTER AND  
TRANSFER OF APPLICATION, PATENT AND CERTIFICATE OF  
ADDITION OF INVENTION: TRANSFER GRANTED  
BENDIX COMMERCIAL VEHICLE SYSTEMS LLC (US)  
**UP** - 2005-09

---

*3/27 INPADOC - ©INPADOC*

**PN** - BR 9813833 A 20040831 [BR9813833]  
**TI** - Módulo de reservatório-secador a ar  
**IN** - GOODELL DAVID J; HOFFMAN FRED W; QUINN LEONARD A  
**PA** - ALLIED SIGNAL INC [US]  
**AP** - BR 9813833/98-A 19981216 [1998BR-0013833]  
**PR** - US 993931/97-A 19971218 [1997US-0993931]  
WO 9826658/98(US)-W 19981216 [1998WO-US26658]  
**IC** - B60T-017/00

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*1/1 LEGALI - ©EPO*

**PN** - BR9813833 A 20040831 [BR9813833]  
**AP** - BR9813833 19981216 [1998BR-0013833]  
**ACTE** - 20041109 BR/B25A-A  
ENTRY OF CHANGE OF NAME AND/OR HEADQUARTER AND  
TRANSFER OF APPLICATION, PATENT AND CERTIFICATE OF  
ADDITION OF INVENTION: TRANSFER GRANTED  
BENDIX COMMERCIAL VEHICLE SYSTEMS LLC (US)

20050503 BR/B06A-A  
TECHNICAL AND FORMAL REQUIREMENTS: REQUIREMENT -  
ARTICLE 36 OF INDUSTRIAL PROPERTY LAW

**UP** - 2005-34

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*4/27 INPADOC - ©INPADOC*

**PN** - CA 2314974 AA 19990624 [CA2314974]  
**TI** - AIR DRYER RESERVOIR MODULE  
MODULE RESERVOIR ET ASSECHEUR D'AIR  
**LA** - ENG  
**IN** - GOODELL DAVID J [US]; HOFFMAN FRED W [US]; QUINN LEONARD A  
[US]  
**PA** - ALLIED SIGNAL INC [US]  
**AP** - CA 2314974/98-A 19981216 [1998CA-2314974]

**PR** - US 993931/97-A 19971218 [1997US-0993931]  
WO 9826658/98(US)-W 19981216 [1998WO-US26658]  
**IC** - B60T-017/00

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*1/1 LEGALI - ©EPO*

**PN** - CA2314974 A1 19990624 [CA2314974]

**AP** - CA2314974 19981216 [1998CA-2314974]

**ACTE** - 20030403 CA/AFNE-A [+]  
NATIONAL PHASE ENTRY  
EFFECTIVE DATE: 20000616

20040108 CA/AFNE-A [+]  
NATIONAL PHASE ENTRY  
EFFECTIVE DATE: 20000616

20040108 CA/EEER-A [+]  
EXAMINATION REQUEST  
EFFECTIVE DATE: 20031127

**UP** - 2004-42

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*5/27 INPADOC - ©INPADOC*

**PN** - CA 2321556 AA 19990902 [CA2321556]

**TI** - AIR DRYER RESERVOIR MODULE COMPONENTS  
COMPOSANTS DE MODULE RESERVOIR ET DESSICCIATEUR D'AIR

**LA** - ENG

**IN** - HOFFMAN FRED W [US]; QUINN LEONARD A [US]; GOODELL DAVID J [US]

**PA** - ALLIED SIGNAL INC [US]

**AP** - CA 2321556/99-A 19990225 [1999CA-2321556]

**PR** - US 30583/98-A 19980225 [1998US-0030583]  
WO 9904149/99(US)-W 19990225 [1999WO-US04149]

**IC** - B60T-017/00; F15B-001/26

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*1/1 LEGALI - ©EPO*

**PN** - CA2321556 A1 19990902 [CA2321556]

**AP** - CA2321556 19990225 [1999CA-2321556]

**ACTE** - 20030403 CA/AFNE-A [+]  
NATIONAL PHASE ENTRY  
EFFECTIVE DATE: 20000825

20040129 CA/AFNE-A [+]  
NATIONAL PHASE ENTRY  
EFFECTIVE DATE: 20000825

20040129 CA/EEER-A [+]  
EXAMINATION REQUEST  
EFFECTIVE DATE: 20031223

UP - 2004-43

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6/27 INPADOC - ©INPADOC

PN - CN 1284920 A 20010221 [CN1284920]  
TI - Air Dryer reservoir module  
IN - GOODELL D J [US]; HOFFMAN F W [US]; QUINN L A [US]  
PA - ALLIED SIGNAL INC [US]  
AP - CN 98813513/98-A 19981216 [1998CN-0813513]  
PR - US 993931/97-A 19971218 [1997US-0993931]  
IC - B60T-017/00

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7/27 INPADOC - ©INPADOC

PN - DE 69819933 C0 20031224 [DE69819933]  
TI - VORRATSBEHLTERMODUL FR EINEM LUFTTROCKNER  
IN - GOODELL J [US]; HOFFMAN W [US]; QUINN A [US]  
PA - BENDIX COMMERCIAL VEHICLES SYS [US]  
AP - DE 69819933/98-A 19981216 [1998DE-6019933]  
PR - US 993931/97-A 19971218 [1997US-0993931]  
WO 9826658/98(US)-W 19981216 [1998WO-US26658]  
IC - B60T-017/00

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1/1 LEGALI - ©EPO

PN - DE69819933 D1 20031224 [DE69819933]DE69819933 T2 20040422  
[DE69819933]  
AP - DE69819933 19981216 [1998DE-6019933]  
ACTE - 20041216 DE/8364-A [+]  
NO OPPOSITION DURING TERM OF OPPOSITION  
UP - 2004-51

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8/27 INPADOC - ©INPADOC

PN - DE 69819933 T2 20040422 [DE69819933]  
TI - VORRATSBEHLTERMODUL FR EINEM LUFTTROCKNER  
IN - GOODELL J [US]; HOFFMAN W [US]; QUINN A [US]  
PA - BENDIX COMMERCIAL VEHICLES SYS [US]  
AP - DE 69819933/98-A 19981216 [1998DE-6019933]  
PR - US 993931/97-A 19971218 [1997US-0993931]  
WO 9826658/98(US)-W 19981216 [1998WO-US26658]  
IC - B60T-017/00

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*1/1 LEGALI - ©EPO*

**PN** - DE69819933 D1 20031224 [DE69819933]DE69819933 T2 20040422  
[DE69819933]  
**AP** - DE69819933 19981216 [1998DE-6019933]  
**ACTE** - 20041216 DE/8364-A [+]  
NO OPPOSITION DURING TERM OF OPPOSITION  
**UP** - 2004-51

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*9/27 INPADOC - ©INPADOC*

**PN** - DE 69916588 C0 20040527 [DE69916588]  
**TI** - LUFTTROCKNER UND SPEICHER MODULE  
**IN** - GOODELL J [US]; HOFFMAN W [US]; QUINN A [US]  
**PA** - BENDIX COMMERCIAL VEHICLES SYS [US]  
**AP** - DE 69916588/99-A 19990225 [1999DE-6016588]  
**PR** - US 30583/98-A 19980225 [1998US-0030583]  
WO 9904149/99(US)-W 19990225 [1999WO-US04149]  
**IC** - B60T-017/00; F15B-001/26

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*1/1 LEGALI - ©EPO*

**PN** - DE69916588 D1 20040527 [DE69916588]DE69916588 T2 20040812  
[DE69916588]  
**AP** - DE69916588 19990225 [1999DE-6016588]  
**ACTE** - 20050414 DE/8363-A  
OPPOSITION AGAINST THE PATENT  
**UP** - 2005-15

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*10/27 INPADOC - ©INPADOC*

**PN** - DE 69916588 T2 20040812 [DE69916588]  
**TI** - LUFTTROCKNER UND SPEICHER MODULE  
**IN** - GOODELL J [US]; HOFFMAN W [US]; QUINN A [US]  
**PA** - BENDIX COMMERCIAL VEHICLES SYS [US]  
**AP** - DE 69916588/99-A 19990225 [1999DE-6016588]  
**PR** - US 30583/98-A 19980225 [1998US-0030583]  
WO 9904149/99(US)-W 19990225 [1999WO-US04149]  
**IC** - B60T-017/00; F15B-001/26

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*1/1 LEGALI - ©EPO*

**PN** - DE69916588 D1 20040527 [DE69916588]DE69916588 T2 20040812  
[DE69916588]  
**AP** - DE69916588 19990225 [1999DE-6016588]

**ACTE** - 20050414 DE/8363-A  
OPPOSITION AGAINST THE PATENT  
**UP** - 2005-15

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*11/27 INPADOC - ©INPADOC*

**PN** - EP 1037783 A1 20000927 [EP1037783]  
**TI** - AIR DRYER RESERVOIR MODULE  
MODULE RESERVOIR ET ASSECHEUR D'AIR  
VORRATSBEHLTERMODUL FR EINEM LUFTTROCKNER  
**LA** - ENG  
**IN** - GOODELL DAVID J [US]; HOFFMAN FRED W [US]; QUINN LEONARD A [US]  
**PA** - ALLIED SIGNAL INC [US]  
**AP** - EP 98963938/98-A 19981216 [1998EP-0963938]  
**PR** - WO 9826658/98(US)-W 19981216 [1998WO-US26658]  
US 993931/97-A 19971218 [1997US-0993931]  
**IC** - B60T-017/00  
**DS** - AT\* BE\* DE\* ES\* FR\* GB\* IT\* NL\* SE\*

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*1/2 LEGALI - ©EPO*

**PN** - AT254553 T 20031215 [ATE254553]  
**AP** - AT98963938T 19981216 [1998AT-0963938]  
**ACTE** - 20040515 AT/UEP-T [+]  
PUBLICATION OF TRANSLATION OF EUROPEAN PATENT  
SPECIFICATION  
(EP 1037783 0 [EP1037783])  
**UP** - 2004-21

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*2/2 LEGALI - ©EPO*

**PN** - EP1037783 A1 20000927 [EP1037783]EP1037783 B1 20031119 [EP1037783]  
**AP** - EP98963938 19981216 [1998EP-0963938]  
**ACTE** - 20000927 EP/AK-A [+]  
DESIGNATED CONTRACTING STATES:  
AT BE DE ES FR GB IT NL SE  
  
20000927 EP/17P-A [+]  
REQUEST FOR EXAMINATION FILED  
EFFECTIVE DATE: 20000718  
  
20020522 EP/RAP1-A  
APPLICANT REASSIGNMENT (CORRECTION)  
OWNER: BENDIX COMMERCIAL VEHICLE SYSTEMS, LLC  
  
20021023 EP/17Q-A [+]

FIRST EXAMINATION REPORT  
EFFECTIVE DATE: 20020904

20031119 EP/AK-A [+]  
DESIGNATED CONTRACTING STATES:  
AT BE DE ES FR GB IT NL SE

20031119 EP/REG-A; GB/FG4D [+]  
GB: EUROPEAN PATENT GRANTED  
<GB>

20031224 EP/REF-A  
CORRESPONDS TO:  
(DE 69819933 20031224 [DE69819933])

20040701 EP/REG-A; ES/FG2A  
ES: DEFINITIVE PROTECTION  
(ES 2210857T3 0 [ES2210857])

20040730 EP/ET-A [+]  
FR: TRANSLATION FILED

20041110 EP/26N-A [+]  
NO OPPOSITION FILED  
EFFECTIVE DATE: 20040820

20050802 EP/EUG-A [-]  
SE: EUROPEAN PATENT HAS LAPSED

20050803 EP/GBPC-A  
GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF  
RENEWAL FEE  
EFFECTIVE DATE: 20041216

20050901 EP/NLV4-A [-]  
NL: LAPSED OR ANNULLED DUE TO NON-PAYMENT OF THE ANNUAL  
FEE  
EFFECTIVE DATE: 20050701

UP - 2005-36

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12/27 INPADOC - ©INPADOC

PN - EP 1060096 A1 20001220 [EP1060096]  
TI - AIR DRYER RESERVOIR MODULE COMPONENTS  
COMPOSANTS DE MODULE RESERVOIR ET DESSICATEUR D'AIR  
LUFTTROCKNER UND SPEICHER MODULE  
LA - ENG  
IN - GOODELL DAVID J [US]; HOFFMAN FRED W [US]; QUINN LEONARD A [US]

**PA** - ALLIED SIGNAL INC [US]  
**AP** - EP 99909616/99-A 19990225 [1999EP-0909616]  
**PR** - WO 9904149/99(US)-W 19990225 [1999WO-US04149]  
US 30583/98-A 19980225 [1998US-0030583]  
**IC** - B60T-017/00; F15B-001/26  
**DS** - DE\* FR\* GB\* IT\* NL\* SE\*

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*1/1 LEGALI - ©EPO*

**PN** - EP1060096 A1 20001220 [EP1060096]EP1060096 B1 20040421 [EP1060096]  
**AP** - EP99909616 19990225 [1999EP-0909616]

**ACTE** - 20001220 EP/AK-A [+]  
DESIGNATED CONTRACTING STATES:  
DE FR GB IT NL SE

20001220 EP/17P-A [+]  
REQUEST FOR EXAMINATION FILED  
EFFECTIVE DATE: 20000914

20020522 EP/RAP1-A  
APPLICANT REASSIGNMENT (CORRECTION)  
OWNER: BENDIX COMMERCIAL VEHICLE SYSTEMS, LLC

20030219 EP/17Q-A [+]  
FIRST EXAMINATION REPORT  
EFFECTIVE DATE: 20030107

20040421 EP/AK-A [+]  
DESIGNATED CONTRACTING STATES:  
DE FR GB IT NL SE

20040421 EP/REG-A; GB/FG4D [+]  
GB: EUROPEAN PATENT GRANTED  
<GB>

20040527 EP/REF-A  
CORRESPONDS TO:  
(DE 69916588 20040527 [DE69916588])

20050114 EP/ET-A  
FR: TRANSLATION FILED

20050309 EP/26-A  
OPPOSITION FILED  
OPPONENT: HALDEX BRAKE PRODUCTS GMBH; EFFECTIVE DATE:  
20050107

20050502 EP/NLR1-A  
NL: OPPOSITION HAS BEEN FILED WITH THE EPO

OPPONENT: HALDEX BRAKE PRODUCTS GMBH

UP - 2005-18

---

13/27 INPADOC - ©INPADOC

PN - EP 1037783 B1 20031119 [EP1037783]  
TI - AIR DRYER RESERVOIR MODULE  
MODULE RESERVOIR ET ASSECHEUR D'AIR  
VORRATSBEHLTERMODUL FR EINEM LUFTTROCKNER  
LA - ENG  
IN - GOODELL DAVID J [US]; HOFFMAN FRED W [US]; QUINN LEONARD A [US]  
PA - BENDIX COMMERCIAL VEHICLES SYS [US]  
AP - EP 98963938/98-A 19981216 [1998EP-0963938]  
PR - WO 9826658/98(US)-W 19981216 [1998WO-US26658]  
US 993931/97-A 19971218 [1997US-0993931]  
IC - B60T-017/00  
DS - AT\* BE\* DE\* ES\* FR\* GB\* IT\* NL\* SE\*

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1/2 LEGALI - ©EPO

PN - AT254553 T 20031215 [ATE254553]  
AP - AT98963938T 19981216 [1998AT-0963938]  
ACTE - 20040515 AT/UEP-T [+]  
PUBLICATION OF TRANSLATION OF EUROPEAN PATENT  
SPECIFICATION  
(EP 1037783 0 [EP1037783])  
UP - 2004-21

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2/2 LEGALI - ©EPO

PN - EP1037783 A1 20000927 [EP1037783]EP1037783 B1 20031119 [EP1037783]  
AP - EP98963938 19981216 [1998EP-0963938]

ACTE - 20000927 EP/AK-A [+]  
DESIGNATED CONTRACTING STATES:  
AT BE DE ES FR GB IT NL SE

20000927 EP/17P-A [+]  
REQUEST FOR EXAMINATION FILED  
EFFECTIVE DATE: 20000718

20020522 EP/RAP1-A  
APPLICANT REASSIGNMENT (CORRECTION)  
OWNER: BENDIX COMMERCIAL VEHICLE SYSTEMS, LLC

20021023 EP/17Q-A [+]  
FIRST EXAMINATION REPORT

EFFECTIVE DATE: 20020904

20031119 EP/AK-A [+]

DESIGNATED CONTRACTING STATES:  
AT BE DE ES FR GB IT NL SE

20031119 EP/REG-A; GB/FG4D [+]

GB: EUROPEAN PATENT GRANTED  
<GB>

20031224 EP/REF-A

CORRESPONDS TO:  
(DE 69819933 20031224 [DE69819933])

20040701 EP/REG-A; ES/FG2A

ES: DEFINITIVE PROTECTION  
(ES 2210857T3 0 [ES2210857])

20040730 EP/ET-A [+]

FR: TRANSLATION FILED

20041110 EP/26N-A [+]

NO OPPOSITION FILED  
EFFECTIVE DATE: 20040820

20050802 EP/EUG-A [-]

SE: EUROPEAN PATENT HAS LAPSED

20050803 EP/GBPC-A

GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF  
RENEWAL FEE

EFFECTIVE DATE: 20041216

20050901 EP/NLV4-A [-]

NL: LAPSED OR ANULLED DUE TO NON-PAYMENT OF THE ANNUAL  
FEE

EFFECTIVE DATE: 20050701

UP - 2005-36

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14/27 INPADOC - ©INPADOC

PN - EP 1060096 B1 20040421 [EP1060096]

TI - AIR DRYER RESERVOIR MODULE COMPONENTS  
COMPOSANTS DE MODULE RESERVOIR ET DESSICATEUR D'AIR  
LUFTTROCKNER UND SPEICHER MODULE

LA - ENG

IN - GOODELL DAVID J [US]; HOFFMAN FRED W [US]; QUINN LEONARD A  
[US]

PA - BENDIX COMMERCIAL VEHICLES SYS [US]

**AP** - EP 99909616/99-A 19990225 [1999EP-0909616]  
**PR** - WO 9904149/99(US)-W 19990225 [1999WO-US04149]  
US 30583/98-A 19980225 [1998US-0030583]  
**IC** - B60T-017/00; F15B-001/26  
**DS** - DE\* FR\* GB\* IT\* NL\* SE\*

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*1/1 LEGALI - ©EPO*

**PN** - EP1060096 A1 20001220 [EP1060096]EP1060096 B1 20040421 [EP1060096]

**AP** - EP99909616 19990225 [1999EP-0909616]

**ACTE** - 20001220 EP/AK-A [+]  
DESIGNATED CONTRACTING STATES:  
DE FR GB IT NL SE

20001220 EP/17P-A [+]  
REQUEST FOR EXAMINATION FILED  
EFFECTIVE DATE: 20000914

20020522 EP/RAP1-A  
APPLICANT REASSIGNMENT (CORRECTION)  
OWNER: BENDIX COMMERCIAL VEHICLE SYSTEMS, LLC

20030219 EP/17Q-A [+]  
FIRST EXAMINATION REPORT  
EFFECTIVE DATE: 20030107

20040421 EP/AK-A [+]  
DESIGNATED CONTRACTING STATES:  
DE FR GB IT NL SE

20040421 EP/REG-A; GB/FG4D [+]  
GB: EUROPEAN PATENT GRANTED  
<GB>

20040527 EP/REF-A  
CORRESPONDS TO:  
(DE 69916588 20040527 [DE69916588])

20050114 EP/ET-A  
FR: TRANSLATION FILED

20050309 EP/26-A  
OPPOSITION FILED  
OPPONENT: HALDEX BRAKE PRODUCTS GMBH; EFFECTIVE DATE:  
20050107

20050502 EP/NLR1-A  
NL: OPPOSITION HAS BEEN FILED WITH THE EPO  
OPPONENT: HALDEX BRAKE PRODUCTS GMBH

UP - 2005-18

---

15/27 INPADOC - ©INPADOC

PN - EP 1452416 A2 20040901 [EP1452416]  
TI - Air dryer reservoir module  
Module reservoir et assecheur d'air  
Vorratsbehältermodul für einen Lufttrockner  
LA - ENG  
IN - GOODELL DAVID J [US]; HOFFMAN FRED W [US]; QUINN LEONARD A [US]  
PA - BENDIX COMMERCIAL VEHICLE SYS [US]  
AP - EP 04076168/04-A 19990225 [2004EP-0076168]  
PR - EP 99909616/99-A3 19990225 [1999EP-0909616]  
US 30583/98-A 19980225 [1998US-0030583]  
IC - B60T-017/00  
DS - DE\* FR\* GB\* IT\* NL\* SE\*

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1/1 LEGALI - ©EPO

PN - EP1452416 A2 20040901 [EP1452416] EP1452416 A3 20040908 [EP1452416]  
AP - EP04076168 19990225 [2004EP-0076168]

ACTE - 20040901 EP/AC-A  
DIVISIONAL APPLICATION (ART. 76) OF:  
(EP 1060096 0 [EP1060096])

20040901 EP/AK-A [+]  
DESIGNATED CONTRACTING STATES:  
DE FR GB IT NL SE

20040908 EP/AK-A [+]  
DESIGNATED CONTRACTING STATES:  
DE FR GB IT NL SE

20041013 EP/RIN1-A  
INVENTOR (CORRECTION)  
GOODELL, DAVID J

20041013 EP/RIN1-A  
INVENTOR (CORRECTION)  
HOFFMAN, FRED W

20041013 EP/RIN1-A  
INVENTOR (CORRECTION)  
QUINN, LEONARD A

20041027 EP/RIN1-A  
INVENTOR (CORRECTION)

GOODELL, DAVID J

20041027 EP/RIN1-A  
INVENTOR (CORRECTION)  
HOFFMAN, FRED W

20041027 EP/RIN1-A  
INVENTOR (CORRECTION)  
QUINN, LEONARD A

20050504 EP/17P-A  
REQUEST FOR EXAMINATION FILED  
EFFECTIVE DATE: 20050307

20050525 EP/AKX-A [+]  
PAYMENT OF DESIGNATION FEES  
DE FR GB IT NL SE

20050817 EP/17Q-A [+]  
FIRST EXAMINATION REPORT  
EFFECTIVE DATE: 20050704

UP - 2005-33

---

16/27 INPADOC - ©INPADOC

PN - EP 1452416 A3 20040908 [EP1452416]  
TI - Air dryer reservoir module  
Module reservoir et assecheur d'air  
Vorratsbehlermodul fr einen Lufttrockner  
LA - ENG  
IN - GOODELL DAVID J [US]; HOFFMAN FRED W [US]; QUINN LEONARD A [US]  
PA - BENDIX COMMERCIAL VEHICLE SYS [US]  
AP - EP 04076168/04-A 19990225 [2004EP-0076168]  
PR - EP 99909616/99-A3 19990225 [1999EP-0909616]  
US 30583/98-A 19980225 [1998US-0030583]  
IC - B60T-017/00  
DS - DE\* FR\* GB\* IT\* NL\* SE\*

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1/1 LEGALI - ©EPO

PN - EP1452416 A2 20040901 [EP1452416]EP1452416 A3 20040908 [EP1452416]  
AP - EP04076168 19990225 [2004EP-0076168]  
ACTE - 20040901 EP/AC-A  
DIVISIONAL APPLICATION (ART. 76) OF:  
(EP 1060096 0 [EP1060096])

20040901 EP/AK-A [+]

DESIGNATED CONTRACTING STATES:  
DE FR GB IT NL SE

20040908 EP/AK-A [+]

DESIGNATED CONTRACTING STATES:  
DE FR GB IT NL SE

20041013 EP/RIN1-A

INVENTOR (CORRECTION)  
GOODELL, DAVID J

20041013 EP/RIN1-A

INVENTOR (CORRECTION)  
HOFFMAN, FRED W

20041013 EP/RIN1-A

INVENTOR (CORRECTION)  
QUINN, LEONARD A

20041027 EP/RIN1-A

INVENTOR (CORRECTION)  
GOODELL, DAVID J

20041027 EP/RIN1-A

INVENTOR (CORRECTION)  
HOFFMAN, FRED W

20041027 EP/RIN1-A

INVENTOR (CORRECTION)  
QUINN, LEONARD A

20050504 EP/17P-A

REQUEST FOR EXAMINATION FILED  
EFFECTIVE DATE: 20050307

20050525 EP/AKX-A [+]

PAYMENT OF DESIGNATION FEES  
DE FR GB IT NL SE

20050817 EP/17Q-A [+]

FIRST EXAMINATION REPORT  
EFFECTIVE DATE: 20050704

UP - 2005-33

---

17/27 INPADOC - ©INPADOC

PN - ES 2210857 T3 20040701 [ES2210857]

TI - MODULO DE DEPOSITO SECADOR DE AIRE.

IN - GOODELL DAVID J [US]; HOFFMAN FRED W [US]; QUINN LEONARD A [US]

---

**PA** - BENDIX COMMERCIAL VEHICLES SYS  
**AP** - ES 98963938/98-EP 19981216 [1998EP-0963938]  
**PR** - US 993931/97-A 19971218 [1997US-0993931]  
**IC** - B60T-017/00

---

*18/27 INPADOC - ©INPADOC*

**PN** - JP 2002504459 T2 20020212 [JP2002504459]  
**AP** - JP 2000533299/00-A 19990225 [2000JP-0533299]  
**PR** - US 30583/98-A 19980225 [1998US-0030583]  
WO 9904149/99(US)-W 19990225 [1999WO-US04149]  
**IC** - B60T-017/00

---

*19/27 INPADOC - ©INPADOC*

**PN** - JP 2002508278 T2 20020319 [JP2002508278]  
**AP** - JP 2000538902/00-A 19981216 [2000JP-0538902]  
**PR** - US 993931/97-A 19971218 [1997US-0993931]  
WO 9826658/98(US)-W 19981216 [1998WO-US26658]  
**IC** - B60T-017/00

---

*20/27 INPADOC - ©INPADOC*

**PN** - US 6074462 A 20000613 [US6074462]  
**TI** - Air dryer reservoir module components  
**IN** - QUINN LEONARD A [US]; HOFFMAN FRED W [US]; GOODELL DAVID J [US]  
**PA** - ALLIEDSIGNAL TRUCK BRAKE SYST [US]  
**AP** - US 30583/98-A 19980225 [1998US-0030583]  
**PR** - US 30583/98-A 19980225 [1998US-0030583]  
US 993931/97-A2 19971218 [1997US-0993931]  
**IC** - B01D-053/04; B01D-053/26

---

*21/27 INPADOC - ©INPADOC*

**PN** - US 2001052291 AA 20011220 [US20010052291]  
**TI** - Air dryer reservoir module components  
**IN** - QUINN LEONARD A [US]; HOFFMAN FRED W [US]; GOODELL DAVID J [US]  
**PA** - QUINN LEONARD A [US]; HOFFMAN FRED W [US]; GOODELL DAVID J [US]  
**AP** - US 571897/00-A 20000516 [2000US-0571897]  
**PR** - US 571897/00-A 20000516 [2000US-0571897]  
US 30583/98-A1 19980225 [1998US-0030583]  
US 993931/97-A2 19971218 [1997US-0993931]  
**IC** - B01D-053/02

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*1/1 LEGALI - ©EPO*

**PN** - US2001052291 A1 20011220 [US20010052291]US6585806 B2 20030701  
[US6585806]

**AP** - US57189700 20000516 [2000US-0571897]

**ACTE** - 20030430 US/AS-A  
ASSIGNMENT  
OWNER: HONEYWELL COMMERCIAL VEHICLE SYSTEMS COMPANY  
901 C; EFFECTIVE DATE: 19991214  
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:ALLIEDSIGNAL  
TRUCK BRAKE SYSTEMS COMPANY;REEL/FRAME:013613/0894

20030501 US/AS-A  
ASSIGNMENT  
OWNER: BENDIX COMMERCIAL VEHICLE SYSTEMS LLC 901  
CLEVELAN; EFFECTIVE DATE: 20020111  
CHANGE OF NAME;ASSIGNOR:HONEYWELL COMMERCIAL VEHICLE  
SYSTEMS COMPANY;REEL/FRAME:013618/0144

20040203 US/RF-A  
REISSUE APPLICATION FILED  
EFFECTIVE DATE: 20031124

**UP** - 2005-03

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*22/27 INPADOC - ©INPADOC*

**PN** - US 6585806 BB 20030701 [US6585806]

**TI** - Air dryer reservoir module components

**IN** - QUINN LEONARD A [US]; HOFFMAN FRED W [US]; GOODELL DAVID J  
[US]

**PA** - BENDIX COMMERCIAL VEHICLE SYS [US]

**AP** - US 571897/00-A 20000516 [2000US-0571897]

**PR** - US 571897/00-A 20000516 [2000US-0571897]  
US 30583/98-A1 19980225 [1998US-0030583]  
US 993931/97-A2 19971218 [1997US-0993931]

**IC** - B01D-053/04; B01D-053/26

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*1/1 LEGALI - ©EPO*

**PN** - US2001052291 A1 20011220 [US20010052291]US6585806 B2 20030701  
[US6585806]

**AP** - US57189700 20000516 [2000US-0571897]

**ACTE** - 20030430 US/AS-A  
ASSIGNMENT  
OWNER: HONEYWELL COMMERCIAL VEHICLE SYSTEMS COMPANY  
901 C; EFFECTIVE DATE: 19991214  
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:ALLIEDSIGNAL

TRUCK BRAKE SYSTEMS COMPANY;REEL/FRAME:013613/0894

20030501 US/AS-A

ASSIGNMENT

OWNER: BENDIX COMMERCIAL VEHICLE SYSTEMS LLC 901

CLEVELAN; EFFECTIVE DATE: 20020111

CHANGE OF NAME;ASSIGNOR:HONEYWELL COMMERCIAL VEHICLE  
SYSTEMS COMPANY;REEL/FRAME:013618/0144

20040203 US/RF-A

REISSUE APPLICATION FILED

EFFECTIVE DATE: 20031124

UP - 2005-03

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23/27 INPADOC - ©INPADOC

PN - US 2004045436 AA 20040311 [US20040045436]

TI - AIR DRYER MODULE

IN - QUINN LEONARD A [US]; HOFFMAN FRED W [US]; GOODELL DAVID J [US]

PA - BENDIX COMMERCIAL VEHICLE SYS [US]

AP - US 607566/03-A 20030626 [2003US-0607566]

PR - US 607566/03-A 20030626 [2003US-0607566]

US 571897/00-A1 20000516 [2000US-0571897]

US 30583/98-A1 19980225 [1998US-0030583]

US 993931/97-A2 19971218 [1997US-0993931]

IC - B01D-053/02

---

24/27 INPADOC - ©INPADOC

PN - US 6858066 BB 20050222 [US6858066]

TI - Air dryer module

IN - QUINN LEONARD A [US]; HOFFMAN FRED W [US]; GOODELL DAVID J [US]

PA - BENDIX COMMERCIAL VEHICLE SYS [US]

AP - US 607566/03-A 20030626 [2003US-0607566]

PR - US 607566/03-A 20030626 [2003US-0607566]

US 571897/00-A1 20000516 [2000US-0571897]

US 30583/98-A1 19980225 [1998US-0030583]

US 993931/97-A2 19971218 [1997US-0993931]

IC - B01D-053/04; B01D-053/26

---

25/27 INPADOC - ©INPADOC

PN - US 5917139 A 19990629 [US5917139]

TI - Air dryer reservoir module

IN - GOODELL DAVID J [US]; HOFFMAN FRED W [US]; QUINN LEONARD A

[US]  
**PA** - ALLIEDSIGNAL TRUCK BRAKE SYST [US]  
**AP** - US 993931/97-A 19971218 [1997US-0993931]  
**PR** - US 993931/97-A 19971218 [1997US-0993931]  
**IC** - B01D-053/04; B01D-053/26

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1/1 *LEGALI - ©EPO*

**PN** - US5917139 A 19990629 [US5917139]  
**AP** - US99393197 19971218 [1997US-0993931]  
**ACTE** - 19971218 US/AS02-A  
ASSIGNMENT OF ASSIGNOR'S INTEREST  
OWNER: ALLIEDSIGNAL TRUCK BRAKE SYSTEMS COMPANY 901  
CLEVE; EFFECTIVE DATE: 19971216

19971218 US/AS02-A  
ASSIGNMENT OF ASSIGNOR'S INTEREST  
OWNER: GOODELL, DAVID J.; EFFECTIVE DATE: 19971216

19971218 US/AS02-A  
ASSIGNMENT OF ASSIGNOR'S INTEREST  
OWNER: HOFFMAN, FRED W.; EFFECTIVE DATE: 19971209

19971218 US/AS02-A  
ASSIGNMENT OF ASSIGNOR'S INTEREST  
OWNER: QUINN, LEONARD A.; EFFECTIVE DATE: 19971209

**UP** - 2003-22

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26/27 *INPADOC - ©INPADOC*

**PN** - WO 9930947 A1 19990624 [WO9930947]  
**TI** - AIR DRYER RESERVOIR MODULE  
MODULE RESERVOIR ET ASSECHEUR D'AIR  
**LA** - ENG  
**IN** - GOODELL DAVID J; HOFFMAN FRED W; QUINN LEONARD A  
**PA** - ALLIED SIGNAL INC [US]  
**AP** - WO US 9826658/98(US)-A 19981216 [1998WO-US26658]  
**PR** - US 993931/97-A 19971218 [1997US-0993931]  
**IC** - B60T-017/00  
**DS** - BR\* CA\* CN\* JP\* MX\* AT BE CH CY DE DK ES FI FR GB GR IE IT LU  
MC NL PT SE

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1/1 *LEGALI - ©EPO*

**PN** - WO9930947 A1 19990624 [WO9930947]  
**AP** - WOUS9826658 19981216 [1998WO-US26658]  
**ACTE** - 19990624 WO/AK [+]

DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH  
SEARCH REPORT  
BR CA CN JP MX

19990624 WO/AL [+]

DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A  
PUBLISHED APPLICATION WITH SEARCH REPORT  
AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

19990825 WO/121

EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS  
DESIGNATED IN THIS APPLICATION

19990923 WO/DFPE

REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO  
EXPIRATION OF 19TH MONTH FROM PRIORITY DATE

19990930 WO/DFPE

REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO  
EXPIRATION OF 19TH MONTH FROM PRIORITY DATE

20000616 WO/ENP

ENTRY INTO THE NATIONAL PHASE IN:  
CA 2314974A [1998CA-2314974]

20000619 WO/ENP

ENTRY INTO THE NATIONAL PHASE IN:  
JP 2000 538902A [2000JP-0538902]

UP - 2003-22

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27/27 INPADOC - ©INPADOC

PN - WO 9943527 A1 19990902 [WO9943527]

TI - AIR DRYER RESERVOIR MODULE COMPONENTS  
COMPOSANTS DE MODULE RESERVOIR ET DESSICATEUR D'AIR

LA - ENG

IN - GOODELL DAVID J; HOFFMAN FRED W; QUINN LEONARD A

PA - ALLIED SIGNAL INC [US]

AP - WO US 9904149/99(US)-A 19990225 [1999WO-US04149]

PR - US 30583/98-A 19980225 [1998US-0030583]

IC - B60T-017/00; F15B-001/26

DS - BR\* CA\* JP\* MX\* AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL  
PT SE

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1/1 LEGALI - ©EPO

PN - WO9943527 A1 19990902 [WO9943527]

AP - WOUS9904149 19990225 [1999WO-US04149]

**ACTE** - 19990902 WO/AK [+]

DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH  
SEARCH REPORT  
BR CA JP MX

19990902 WO/AL [+]

DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A  
PUBLISHED APPLICATION WITH SEARCH REPORT  
AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

19991103 WO/121

EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS  
DESIGNATED IN THIS APPLICATION

19991111 WO/DFPE

REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO  
EXPIRATION OF 19TH MONTH FROM PRIORITY DATE

20000825 WO/ENP

ENTRY INTO THE NATIONAL PHASE IN:  
CA 2321556A [1999CA-2321556]

20000825 WO/ENP

ENTRY INTO THE NATIONAL PHASE IN:  
JP 2000 533299A [2000JP-0533299]

**UP** - 2003-22

Search statement 4

PATNO IS 6585806

DATE: SEPTEMBER 13, 2005  
LIBRARY: PATENT  
FILE: ALL

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PATNO IS 6585806

Number of PATENTS found with your search request through:  
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Your search request has found 1 PATENT through Level 1.  
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To MODIFY your search request, press the M key (for MODIFY) and then the ENTER key.

For further explanation, press the H key (for HELP) and then the ENTER key.

LEVEL 1 - 1 PATENT

1. 6585806 , July 1, 2003 , Air dryer reservoir module components, Quinn, Leonard A. - Elyria, Ohio; Hoffman, Fred W. - Columbia Station, Ohio; Goodell, David J. - Beaverton, Oregon, 571897 (09), Bendix Commercial Vehicle Systems LLC, Elyria, Ohio, 02, April 30, 2003 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS) ., HONEYWELL COMMERCIAL VEHICLE SYSTEMS COMPANY 901 CLEVELAND STREET ELYRIA OHIO 44035, Reel and Frame Number: 13613/0894 May 1, 2003 - CHANGE OF NAME (SEE DOCUMENT FOR DETAILS) ., BENDIX COMMERCIAL VEHICLE SYSTEMS LLC 901 CLEVELAND STREET ELYRIA OHIO 44035, Reel and Frame Number: 13618/0144

CORE TERMS: reservoir, dryer, secondary, module, valve, purge, pneumatic, compressed air, compressor, volume ...

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6585806

July 1, 2003

Air dryer reservoir module components

REISSUE: November 24, 2003 - Reissue Application filed Ex. Gp.: 1724; Re. S.N. 10/721,023 (O.G. February 3, 2004)

APPL-NO: 571897 (09)

FILED-DATE: May 16, 2000

GRANTED-DATE: July 1, 2003

CORE TERMS: reservoir, dryer, secondary, module, valve, purge, pneumatic, compressed air, compressor, volume ...

6585806 OR 6,585,806

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## Patent Search - Number: 6585806

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